CLAIMS

What is claimed is:

1   1.   A character recognition device to recognize characters in a text image

2   read by an image scanner, comprising:

3   a multiple recognition device to separately perform character recognition of the

4   text image using respective recognition methods;

5   an extraction device to extract locations of non-coinciding results in the

6   characters recognized by the respective recognition methods; and

7   an output device to designate the non-coinciding locations extracted by the

8   extraction device and to output character recognition results for the text image.

1   2.   A character recognition device to recognize characters in a text image

2   read by an image scanner, comprising:

3   a first recognition device to recognize the characters in the text image using a

4   first character recognition method;

5   a second recognition device to recognize the characters in the text image using a

6   second character recognition method different from the first character recognition

7   method;

8   an extraction device to extract locations of recognized characters in the text

9   image wherein the recognition results of the first recognition device do not coincide

10   with the recognition results of the second recognition device; and

11   an output device to output character recognition results designating the non-

12   coinciding locations extracted by the extraction device.

1   3.   A character recognition device as recited in claim 1, wherein the output

2   device contrasts the text image and the character recognition results.

1   4.   A character recognition device as recited in claim 2, wherein the output

2   device contrasts the text image and the character recognition results.

1   5.   A character recognition device as recited in claim 1, further comprising:

2   a display having a display screen to display character recognition results,

3   wherein the output device to contrasts the text image and the character

4   recognition results while displaying the character recognition results on the display

5   screen, and displays a cursor in a display area of the character recognition results while

6   displaying the text image in a format that designates the location of the text image

7   coordinated at the position of the cursor.

1   6.   A character recognition device as recited in claim 2, further comprising:

2   a display having a display screen to display character recognition results,

3   wherein the output device contrasts the text image and the character recognition

4   results while displaying the character recognition results on the display screen, and

5   displays a cursor in a display area of the character recognition results while displaying

6   the text image in a format that designates the location of the text image coordinated at

7   the position of the cursor.

1   7.   A character recognition device as recited in claim 1, further comprising:

2   an output device to output a symbol or a blank to display locations that do not

3   coincide instead of the recognized characters.

1   8.   A character recognition device as recited in claim 2, further comprising:

2   an output device to output a symbol or a blank to display locations that do not

3   coincide instead of the recognized characters.

1   9.   A character recognition device as recited in claim 1, further comprising:

2   an output device to output the recognized characters with a high evaluation value

3   for the non-coinciding locations that have the same number of recognized characters in

4   an output format that is different from the output format of the non-coinciding

5   locations.

1   10.   A character recognition device as recited in claim 2, further comprising:

2   an output device to output the recognized characters with a high evaluation value

3   for the non-coinciding locations that have the same number of recognized characters in

4   an output format that is different from the output format of the non-coinciding

5   locations.

1   11.   A character recognition device as recited in claim 1, further comprising:

2   an output device to output the recognized characters of the non-coinciding

3   locations selected using a prescribed standard for the non-coincident locations with a

4   different number of recognized characters in a format that is different from the output

5   format for the non-coinciding locations.

1   12.   A character recognition device as recited in claim 2, further comprising:

2 an output device to output the recognized characters of the non-coinciding

3 locations selected using a prescribed standard for the non-coincident locations with a

4 different number of recognized characters in a format that is different from the output

5 format for the non-coinciding locations.

1 13. A character recognition device as recited in claim 1, further comprising:

2 an output device to output in a format indicating that the recognition results

3 coincide but have a low recognition reliability.

1 14. A character recognition device as recited in claim 2, further comprising:

2 an output device to output in a format indicating that the recognition results

3 coincide but have a low recognition reliability.

1 15. A character recognition method to recognize characters in a text image

2 read by an image scanner, comprising:

3 recognizing characters in the text image using a prescribed recognition method;

4 recognizing characters in the text image using a recognition method different

5 from the prescribed recognition method;

6   extracting non-coinciding locations between the recognition results of the

7   character recognition using the prescribed recognition method and the recognition

8   results of the character recognition method different from the prescribed recognition

9   method; and

10   designating the non-coinciding locations extracted and outputting the recognition

11   results of the characters in the text image.

1   16.   A computer readable medium encoded with processing instructions for

2   implementing a character recognition method of recognizing characters in a text image

3   read by an image scanner, the character recognition method comprising:

4   recognizing characters in the text image using a prescribed recognition method;

5   recognizing characters in the text image using a recognition method different

6   from the prescribed recognition method;

7   extracting the non-coinciding locations between the recognition results of the

8   character recognition using the prescribed recognition method and the recognition

9   results of the character recognition method different from the prescribed recognition

10   method; and

11   designating the non-coinciding locations extracted and outputting the recognition

12   results of the characters in the text image.